ILLINOIS

VEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

RELEASED: SEPTEMBER 27, 1982, 3 P.M., CDT

*** Corn - 94% mature(safe from frost)
8% harvested

*** Soybeans - 95% turning yellow
80% shedding leaves
20% harvested

*** Soil Moisture - 12% short
85% adequate
3% surplus

Ninety-four percent of the <u>CORN</u> crop was mature (safe from frost) on <u>Sunday</u>, <u>September 26</u>, compared to 81% last year and the 5-year average (1977-81) of 93%. Eight percent of the corn has been harvested compared to 8% last year and an average of 10%.

lety-five percent of the SOYBEANS was turning allow on September 26, compared to 85% last year and an average of 91%. Eighty percent of the crop was shedding leaves compared to 61% last year and an average of 76%. Twenty percent of the soybean crop has been harvested compared to 10% last year and an average of 17%.

Eight percent of the 1983 $\frac{\text{WINTER}}{\text{as of}} \frac{\text{WHEAT}}{\text{September 26}}$, compared to 8% last year and an average of 8%.

SORGHUM on September 26 was 10% harvested.

PASTURES on Friday, September 24, were reported as 15% excellent, 72% good and 13% fair.

SOIL MOISTURE was reported as 12% short, 85% adequate and 3% surplus on September 24.

There were 5.25 <u>DAYS SUITABLE FOR FIELDWORK</u> for the week ending September 24.

WEATHER

TEMPERATURES for the period of September 20 thru 26 raged from 7 to 10 degrees below normal oughout the State as a two-week warm trend onded. Minimum temperatures fell into the 40's in the State setting a few new record lows.

PRECIPITATION amounts were light in most sections as amounts ranged from .01 to .15 of an inch. The extreme South recorded from .50 of an inch to 1 inch.

The OUTLOOK for the period of September 28 to October 4 is for temperatures and precipitation to be near normal.

AUGUST WEATHER SUMMARY

Average monthly TEMPERATURES ranged from 1 to 4 degrees below normal throughout the State. The Northwest District had the largest below normal variation (3.9 degrees below normal). A cool trend which started during the end of July continued through August with one warm week. Maximum readings climbed into the 90's during the first week causing the weekly temperature averages to be above normal. In the second week, a cool trend developed and minimum temperatures in the North dropped into the 40's. Readings stayed below normal until the end of the month.

PRECIPITATION was below normal in the North, Central, and East-Southeast Districts while the remaining sections were above normal. The largest above normal variation was in the West District, and the largest below normal variation was in the Northeast District. During the first week, rainfall was heavy in the North with amounts ranging from 1 to 4 inches, but the South received little or no rain. A dry period set in during the next two weeks in most areas of the State. In the 4th week, more than 5 inches fell in the southern sections during this week with over 2.50 inches falling in local areas during a 24-hour period.

The Extended OUTLOOK from Sept. 15 to Oct. 15 is for temperatures and precipitation to be near normal.

SOIL MOISTURE MEASUREMENTS

The <u>Illinois</u> State <u>Water Survey</u> reports that soil moisture in a moderately well-drained Flanagan soil near Bondville (Champaign County) increased during the week prior to September 20. A total of 0.55 inch of rainfall was received during the week prior to the measurement. Between the surface and 4-inch depth, the moisture increased from 41% of Potential Plant Available Moisture (PPAM) to 50% of PPAM. Between 4 and 12 inches the PPAM increased from 9% to 14%, while the PPAM increased from 22% to 23% in the 12 to 20-inch layer. Also, soil moisture from the surface to about 7 feet increased from 55% of PPAM to 57%.

Soil moisture was measured at the following locations in Illinois between September 14 and 20:

		Inches of So:	il Moisture
			Change from
044-			
Site	County	surface to 20"	late-August
Freeport	Stephensor	5.4	-0.1
Shab bona	De Kalb	5.7	-0.2
Monmouth	Warren	5.7	-0.2
Appleton	Knox	5.5	+0.3
Perry	Pike	5.2	-0.6
Topeka	Mason	2.6	-0.2
Bondville	Champaign	4.3	+0.2
Springfield	Sangamon	5.5	No change
Brownstown	Fayette	5.4	+0.9
Belleville	St. Clair	5.1	+0.3
Rend Lake	Jefferson	5.3	+0.3
Olney	Richland	4.8	+0.1
Dixon Springs	Pope	5.6	+0.2

		ILLI	NOIS (CROP RE	PORTING	DISTRIC	r summa	RY			
Crop and Soil Characteristics	NW	NE	W	С	·E	wsw	ESE	'SW	SE	STATE	5-YR. AVG.
Soybeans: % turning yellow (as of Sept. 26)	95	94 10	• 93 15	94 18	99 33	93 10	97 28	93 25	93 25	95 20	91 17
% combined (as of Sept.26) Days suitable for field- work: (week ending Sept.24)	5.5	5.0	4.5	5.5	6.0	5.5	6.0	6.0	4.5	5.25	17
Soil moisture 7: (as of Sept. 24) Short Adequate	20 80	35 65	90	20 80	20 80	 90	 90	 100	 100	12 85	
Surplus			10			10	10			3	

Illinois Weather & Crops September 27, 1982

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ILLINOIS WEATHER

PRELIMINARY DISTRICT PRECIPITATION AVERAGES AND DEPARTURES FROM NORMAL IN INCHES

	<u>NW</u>	NE	<u>w</u>	<u>C</u>	<u>E</u>	WSW	ESE	SW	<u>se</u>
August	2.99	2.33	4.28	3.03	3.44	3.41	2.71	3.91	8.63
Departure	-0.36	-0.71	+0.81	-0,12	+0.54	+0.22	-0.28	+0.26	+0.27

Station: Max mun chine: 73 ckford: 69 ii. O'Hare: 66 dincy: 71 ccatur: 74 coria: 72 atseka: 73 ringfield: 74 ownstown: 77 Louis: 76 xon Springs: 77 Totals are accumu is for 1979, 1980 an owing degree days egree (F) base temp and minimum tempe emperature is limite 0 degrees (F). Thu 5 degrees, then 25	35 51. 40 53. 42 56. 41 56. 40 55. 38 54. 37 56. 41 57. 44 59. 38 59. lated from Apred 1981. 3/ Pred	: Grover : Current: e: year: 6: 52 6: 41 1: 36 0: 52 2: 54 3: 52 2: 50 2: 60 0: 64 2: 70 2: 78 rill 1. 2/ Averevious years	wing degree 3-yr.: To av.2/: 19 3127 32856 22938 2: 3423 3270 3: 3228 3/ 2: 3462 3/ 3/ 3594 3/ 3ge of accudata are not	days 1/ tals: Totals 81: 1982 053: 3064 847: 2759 880: 2701 202: 3062 145: 3042 302: 3131 392: 2825 494: 3312 505: 3210 053: 3612 mulated to- is available.		Parenthese: MMissing. Relizabeth 04 (.92) Moline 12 (1.88)	Peru 0 (1.68	Chicago, O'Hare .07(.65)
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